10.12 Input and Output Modules

For the appertaining software function blocks refer to the description of the used operating system.

10.12.1 Digital Input Modules

Contact	Prox. switch	safety-related SIL 3	Line Control	(Ex)i	Counter	Space requirement	Type	Channels	Slot detection
•						4 SU	F 3221	16	-
•	•					4 SU	F 3222	8	-
•	•			•		4 SU	F 3224A	4	-
•		•				4 SU	F 3236	16	•
	•	•	•			4 SU	F 3237	8	•
	•	•	•	•		8 SU	F 3238	8	•
•	•	•				4 SU	F 3240	16	•
• 48 V		•				4 SU	F 3248	16	•
•					•	4 SU	F 5203	1	-
	•	•			•	4 SU	F 5220	2	•

Table 7: Digital Input Modules

SU = spacing units (width)

10.12.2 Analog Input Modules

0/4... 20 mA	Voltage	safety-related SIL 3	Pt 100	(Ex)i	Space requirement	Type	Channels	Slot detection
•	0...1/5/10 V	•			4 SU	F 6214	4	•
•	0...1/5/10 V		•		4 SU	F 6215	8	-
•	0...1/5/10 V		•		8 SU	F 6216A	8	-
•	0...5/10 V	•			4 SU	F 6217	8	•
	TC, -100...100 mV	•	•	•	4 SU	F 6220	8	•
•	0...1 V	•		•	4 SU	F 6221	8	•

Table 8: Analog Input Modules

TC = Thermocouple SU = spacing units (width)

10.12.3 Digital Output Modules

24 VDC	> 24 V	safety-related SIL 3	Line Control	Load	Space requirement	Type	Channels	Slot detection
•				≤ 0.5 A	4 SU	F 3322	16	•
		only with F 6221 •		Transmitter supply (Ex)i ≤ 22 V, ≤ 60 mA	4 SU	F 3325	6	-
•		•		≤ 0.5 A	4 SU	F 3330	8	•
•		•	•	≤ 0.5 A	4 SU	F 3331	8	•
•				≤ 2 A	4 SU	F 3332	4	•
•		•		≤ 2 A	4 SU	F 3333	4	•
•		•	•	≤ 2 A	4 SU	F 3334	4	•
		•		(Ex)i ≤ 24 V, 12 mA	4 SU	F 3335	4	•
	•	•		≤ 0.5 A, 48 V	4 SU	F 3348	8	•
•	•	•	•	≤ 0.5 A, 24 V or 48 V	4 SU	F 3349	8	•
	•			≤ 4 A, ≤ 60 V	4 SU	F 3422	8	•
	•	•		≤ 4 A, ≤ 110 VDC, ≤ 250 VAC	4 SU	F 3430	4	•

Table 9: Digital Output Modules

SU = spacing units (width)

10.12.4 Analog Output Modules

24 VDC	> 24 V	safety-related SIL 3	Line Control	Load	Space requirement	Type	Channels	Slot detection
		•		0...20 mA	4 SU	F 6705	2	•
				0...20 mA	4 SU	F 6706	2	•

Table 10: Analog Output Modules

SU = spacing units (width)